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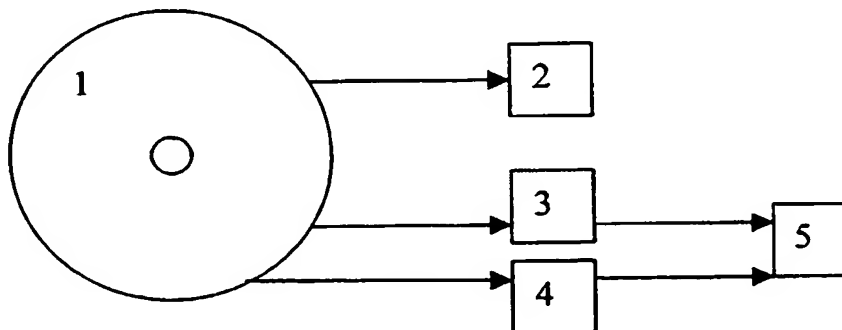
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(75) Inventor/Applicant (for US only): **GOOCH, Richard**,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COPYRIGHT PROTECTION SYSTEM



(57) Abstract: One embodiment of the invention relates to a digital data signal comprising: a first data set of source data (1) and control data (2), said source data being modified in accordance with said control data to generate an intermediate data set (3) of modified data when said data signal is copied by equipment adapted to read data on a block by block basis; and a second data set (4) associated with said first data set, said second data set being provided to enable modifications made, or

modifications that otherwise would be made to said first data set to generate said intermediate data set upon copying of said signal by said equipment, to be at least substantially negated. Other embodiments of the invention relate to a carrier having a data signal recorded thereon, to a method of generating such a data signal, to a method of copying such a signal, to a computer program, to data copying apparatus and to a data transfer system.

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INTERNATIONAL SEARCH REPORT

International Publication No

PCT/GB 00/04616

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/00 G11B20/10 G06F1/00 G06F12/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 0 933 765 A (RICOH KK) 4 August 1999 (1999-08-04) column 3, line 53 -column 6, line 48 ---	1,2,8, 23-25 9,12,13
X	EP 0 649 261 A (CANON KK) 19 April 1995 (1995-04-19) page 6, line 31 -page 7, line 17 ---	1-9,18
X	EP 0 672 991 A (INST OF SYSTEMS SCIENCE) 20 September 1995 (1995-09-20) page 5, line 6 - line 47; figure 2 ---	1-3
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 328851 A (SONY CORP), 30 November 1999 (1999-11-30) abstract ----- -/-	1,23-25



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search

22 May 2001

Date of mailing of the international search report

29/05/2001

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 056 (P-1310), 12 February 1992 (1992-02-12) & JP 03 254470 A (FUJITSU LTD), 13 November 1991 (1991-11-13) abstract ---	1,9,12
A	WO 98 03973 A (PHILIPS ELECTRONICS NV ;PHILIPS NORDEN AB (SE)) 29 January 1998 (1998-01-29) page 9, line 1 -page 10, line 29 page 12, line 31 -page 13, line 26 ---	1,9,14
A	EP 0 899 733 A (SONY DADC AUSTRIA AG) 3 March 1999 (1999-03-03) page 4, line 19 - line 47 ---	1,9,14
A	WO 98 54713 A (DILLA LIMITED C) 3 December 1998 (1998-12-03) page 6, line 5 -page 7, line 7 ---	1,9,16
E	WO 00 74053 A (DILLA LTD C ;EDWARDS ROGER (GB)) 7 December 2000 (2000-12-07) the whole document -----	1,6, 9-12,16, 18-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 00/04616

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0933765	A	04-08-1999	JP 11283328 A SG 70668 A US 6137769 A	15-10-1999 22-02-2000 24-10-2000
EP 0649261	A	19-04-1995	JP 7115638 A US 5933499 A	02-05-1995 03-08-1999
EP 0672991	A	20-09-1995	US 5499298 A DE 69502526 D DE 69502526 T	12-03-1996 25-06-1998 21-01-1999
JP 11328851	A	30-11-1999	CN 1274460 T EP 1030301 A WO 9960569 A	22-11-2000 23-08-2000 25-11-1999
JP 03254470	A	13-11-1991	NONE	
WO 9803973	A	29-01-1998	CA 2232818 A EP 0852053 A JP 11514126 T US 5930209 A	29-01-1998 08-07-1998 30-11-1999 27-07-1999
EP 0899733	A	03-03-1999	AT 199990 T AU 8194998 A BR 9806518 A CA 2245232 A CN 1219728 A DE 69704352 D JP 11250512 A	15-04-2001 11-03-1999 13-03-2001 28-02-1999 16-06-1999 26-04-2001 17-09-1999
WO 9854713	A	03-12-1998	AU 7228298 A BR 9804931 A CN 1236468 T EP 0916134 A	30-12-1998 08-09-1999 24-11-1999 19-05-1999
WO 0074053	A	07-12-2000	AU 5088500 A GB 2355575 A	18-12-2000 25-04-2001

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference J00042429W0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 00/ 04616	International filing date (day/month/year) 01/12/2000	(Earliest) Priority Date (day/month/year) 02/12/1999
Applicant RECORDING INDUSTRY TRADING COMPANY LIMITED et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.



Certain claims were found unsearchable (See Box I).

3.



Unity of invention is lacking (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1



None of the figures.